IN THE CLAIMS:

Please note that the all of the claims currently pending and under consideration in the above-referenced application are shown below, in clean form. A marked-up version of the amendments to show changes made is attached.

Please amend the claims as follows:

33. (Amended) A pre-formed solder mask, comprising: a layer of non-metallic solder mask material having a substantially uniform thickness; and

at least one open aperture formed through said layer and located correspondingly to a contact pad
location of a substrate upon which the pre-formed solder mask is to be disposed, said at

least one open aperture configured to define a peripheral shape of a conductive structure

to be formed on said contact pad.

34. (Previously amended) The pre-formed solder mask of claim 33, wherein said at least one open aperture is configured to be positioned over and to expose a non-peripheral region of said contact pad.

- 35. (Amended) The pre-formed solder mask of claim 33, wherein said substantially uniform thickness of said layer substantially corresponds to a desired height of said conductive structure.
- 36. The pre-formed solder mask of claim 33, wherein said solder mask material comprises a polymer.

37. (Previously amended) The pre-formed solder mask of claim 33, wherein said solder mask material shrinks or degrades upon exposure to at least one of radiation, a plasma, and a shrinking agent.

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- 41. The pre-formed solder mask of claim 33, wherein said layer is configured to be adhered to a substrate.
- 42. (Amended) The pre-formed solder mask of claim 33, further comprising an adhesive on a surface of said layer.
- 43. (Amended) A pre-formed solder mask, comprising:
 a layer of non-metallic solder mask material having a substantially uniform thickness, said layer including a surface configured to be adhered to a substrate; and at least one open aperture formed through said layer and located correspondingly to a contact pad location of a substrate upon which the pre-formed solder mask is to be disposed, said at least one open aperture configured to define a peripheral shape of a conductive structure to be formed on said contact pad.
- 44. The pre-formed solder mask of claim 43, wherein said at least one open aperture is configured to be positioned over and to expose a non-peripheral region of said contact pad.
- 45. (Amended) The pre-formed solder mask of claim 43, wherein said substantially uniform thickness of said layer substantially corresponds to a desired height of said conductive structure.
- 46. The pre-formed solder mask of claim 43, wherein said solder mask material comprises a polymer.
- 47. The pre-formed solder mask of claim 43, wherein said solder mask material shrinks or degrades upon exposure to radiation, a plasma, or a shrinking agent.

48. The pre-formed solder mask of claim 43, wherein said surface of said layer includes an adhesive material.

49. (Amended) A semiconductor device assembly, comprising:
a substrate including at least one contact pad;
a pre-formed layer of non-metallic solder mask material disposed on said substrate, said pre-formed layer having a substantially uniform thickness; and
at least one open aperture formed through said pre-formed layer and located correspondingly to said at least one contact pad, said at least one open aperture configured to define a peripheral shape of a conductive structure to be formed therein.

- 50. The semiconductor device assembly of claim 49, further comprising a conductive structure substantially filling said at least one open aperture and in communication with said at least one contact.
- 51. The semiconductor device assembly of claim 50, wherein said conductive structure protrudes beyond an exposed surface of said pre-formed layer.
- 52. The semiconductor device assembly of claim 49, wherein said at least one open aperture is positioned over and exposes a non-peripheral region of said at least one contact pad.
- 53. The semiconductor device assembly of claim 49, wherein said substantially uniform thickness of said pre-formed layer is substantially equal to a height of said conductive structure.
- 54. The semiconductor device assembly of claim 49, wherein said solder mask material comprises a polymer.

- 55. The semiconductor device assembly of claim 49, wherein said solder mask material shrinks or degrades upon exposure to at least one of radiation, a plasma, and a shrinking agent.
- 56. The semiconductor device assembly of claim 49, wherein said surface of said preformed layer includes an adhesive material.